



**Fw: Background Reference Area for Johnny M site .**

**Jon Rinehart** to: Warren Zehner

10/05/2012 10:59 AM

From: Jon Rinehart/R6/USEPA/US  
To: Warren Zehner/R6/USEPA/US@EPA

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On Scene Coordinator  
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----- Forwarded by Jon Rinehart/R6/USEPA/US on 10/05/2012 10:58 AM -----

From: "Delhomme, Keith" <Keith.Delhomme@WestonSolutions.com>  
To: "Schoenfelder, Robert P." <R.Schoenfelder@WestonSolutions.com>, Jon Rinehart/R6/USEPA/US@EPA  
Cc: "Sherman, Robert" <Robert.Sherman@WestonSolutions.com>, "Buster, Patrick" <Patrick.Buster@WestonSolutions.com>  
Date: 10/05/2012 10:53 AM  
Subject: FW: Background Reference Area for Johnny M site.

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Thanks, Jon.

I double-checked their regression and associated stats this morning, and put it all in one spreadsheet (see the last attached doc). All their numbers appear to be OK, as I duplicated them all. I'm copying Bob, so he and Rick can respond as needed.

I'm sure Patrick can do a color plot of the bkgd  $\mu\text{R/hr}$  data and gps coords. if you want that double-checked as well.

Thanks,  
-keith

**From:** Jon Rinehart [mailto:Rinehart.Jon@epamail.epa.gov]  
**Sent:** Thursday, October 04, 2012 6:27 PM  
**To:** Sherman, Robert; Delhomme, Keith; Evans, Thomas; Garren, Olin  
**Subject:** Fw: Background Reference Area for Johnny M site.

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----- Forwarded by Jon Rinehart/R6/USEPA/US on 10/04/2012 06:25 PM -----

From: Mike Schierman <[MikeSchierman@ERGOFFICE.COM](mailto:MikeSchierman@ERGOFFICE.COM)>  
To: Jon Rinehart/R6/USEPA/US@EPA  
Date: 10/04/2012 05:52 PM  
Subject: RE: Background Reference Area for Johnny M site.

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Hi Jon,

Please find ERG's response to your questions (red text in your original document) as well as the information you requested. Included are 1) the site-wide PIC linear correlation and data used to develop the correlation, 2) the location of the PIC measurements, and 3) gamma survey data in counts per minute for the background reference area, including the corresponding coordinates. We understand the need to carefully evaluate the reference area and are confident this area is not impacted by historic mining activities.

We would like to collect samples in the BRA on Monday October 8, 2012. It is critical that the BRA is sampled prior to other areas since we will be getting baseline detector responses in the BRA to help make decisions in other areas. Specifically, using this baseline data during the borehole logging at soil sample locations at depth. We have a geoprobe scheduled to be on site on October 15, 2012 so we need the BRA instrument down-hole response data prior to that. We need concurrence from you to start sampling the soil in the BRA on October 8, 2012, otherwise we will collect BRA samples starting on October 15, 2012 and the schedule could be compromised.

Thanks and hope to get the go-ahead soon.

*Mike Schierman*



**From:** Jon Rinehart [<mailto:Rinehart.Jon@epamail.epa.gov>]  
**Sent:** Thursday, October 04, 2012 11:01 AM  
**To:** Mike Schierman  
**Subject:** RE: Background Reference Area for Johnny M site.

Mike

We have some questions that we are preparing. We should have them to you today.

Thanks

Jon

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From: Mike Schierman <[MikeSchierman@ERGOFFICE.COM](mailto:MikeSchierman@ERGOFFICE.COM)>  
To: Jon Rinehart/R6/USEPA/US@EPA  
Date: 10/04/2012 11:54 AM  
Subject: RE: Background Reference Area for Johnny M site.

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Hi Jon,

Just checking to see if it is acceptable to the EPA for ERG to start collecting soil samples on October 8<sup>th</sup>, 2012. For our planning purposes, it possible to get an answer today?

Thanks

*Mike Schierman*  


**From:** Jon Rinehart [<mailto:Rinehart.Jon@epamail.epa.gov>]  
**Sent:** Tuesday, October 02, 2012 12:24 PM  
**To:** Mike Schierman; Warren Zehner  
**Subject:** Re: Background Reference Area for Johnny M site.

Mike

We have received the map of your proposed background area. We are in the process of reviewing the information that you sent. After our review we will be in touch with you with any questions and comments. We hope to have the comments back to you in the next couple of days.

Thanks

Jon

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From: Mike Schierman <[MikeSchierman@ERGOFFICE.COM](mailto:MikeSchierman@ERGOFFICE.COM)>  
To: Jon Rinehart/R6/USEPA/US@EPA

Cc: Dave Holland <[dholland@hecla-mining.com](mailto:dholland@hecla-mining.com)>, Paul Glader <[pglader@hecla-mining.com](mailto:pglader@hecla-mining.com)>, Alan Kuhn <[akkuhn41@gmail.com](mailto:akkuhn41@gmail.com)>

Date: 10/01/2012 06:03 PM

Subject: Background Reference Area for Johnny M site.

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Jon,

Please find attached the gamma survey data for the proposed background reference area (BRA) at the Johnny M site. This location is one of the two possible locations identified in the SAP for a potential BRA. On behalf of Hecla Limited, ERG is proposing the BRA located in Section 7, north of Section 18 to represent the site-wide background condition for soils.

ERG would like to collect soil samples in the BRA , Area C and Area B starting October 8<sup>th</sup>, 2012. We are planning to have a geoprobe on site to sample Area A starting October 15<sup>th</sup>, 2012. Please let me know if you have questions regarding the proposed BRA and if starting soil sample collection on October 8<sup>th</sup>, 2012 is acceptable to you.

Best Regards,

**Mike Schierman, CHP**  
**Senior Health Physicist**



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[attachment "Reference Area - 100112.pdf" deleted by Jon Rinehart/R6/USEPA/US]

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-- HPIC Locations - 100412.pdf



ERGreqBKGinfo - ERG RESPONSE - 100412.docx



Johnny M Mine HPIC data 9-15-12.xlsx



Proposed Background Area Gamma Data (3).xlsx



ERGreqBKGinfo\_kd.docx



Johnny M Mine HPIC data 9-15-12\_kd.xlsx